FIGURE 1

ANONYMOUS VOICE COMMUNICATION SYSTEM

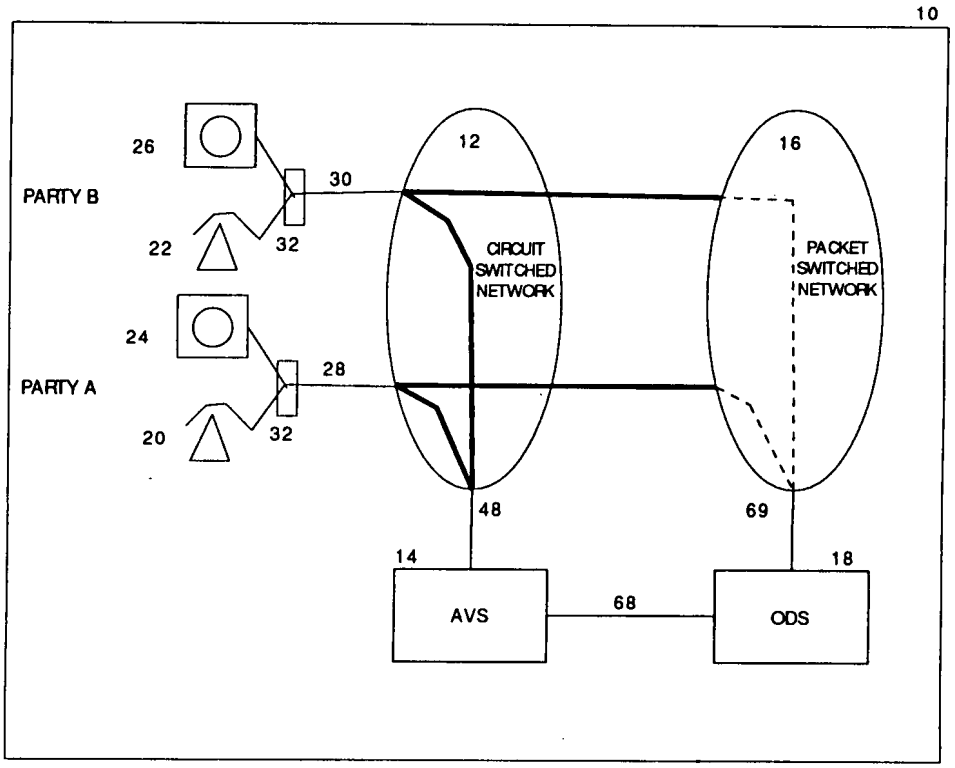


FIGURE 2

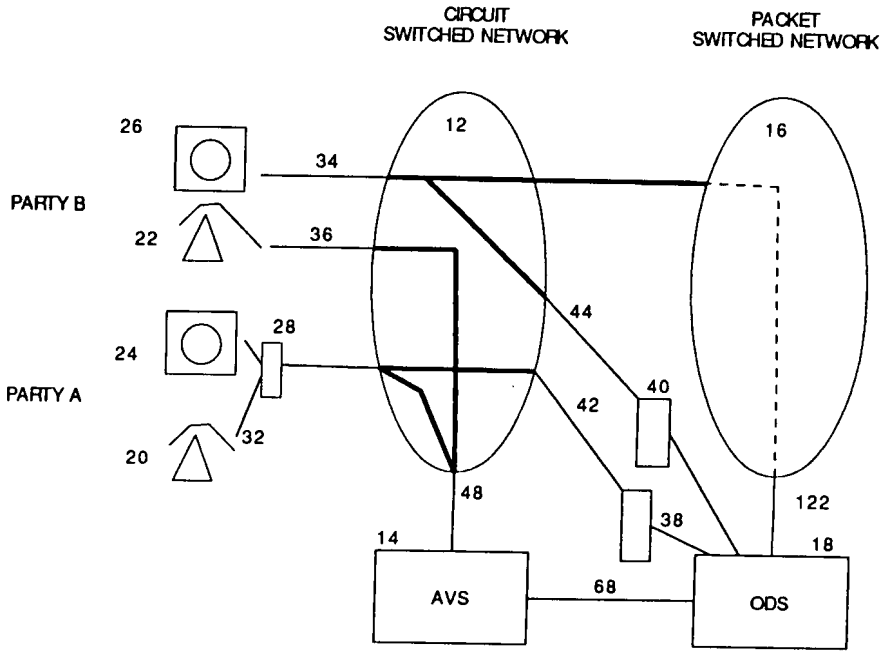

CIRCUIT SWITCHED NETWORK
PACKET SWITCHED NETWORK
12
16
26
34
PARTY B
22
36
28
24
44
40
PARTY A
42
32
20
48
38
122
14
18
AVS
68
ODS

FIGURE 3

ANONYMOUS VOICE SYSTEM

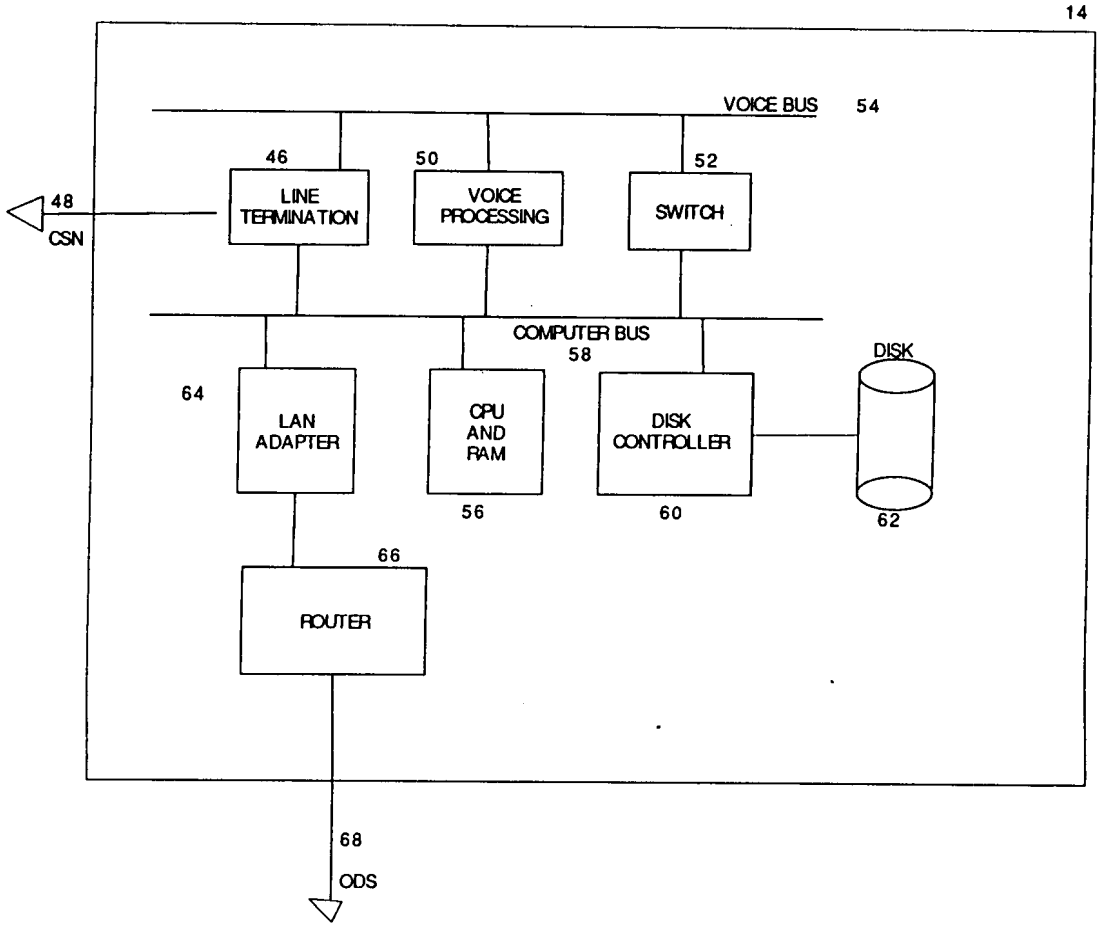
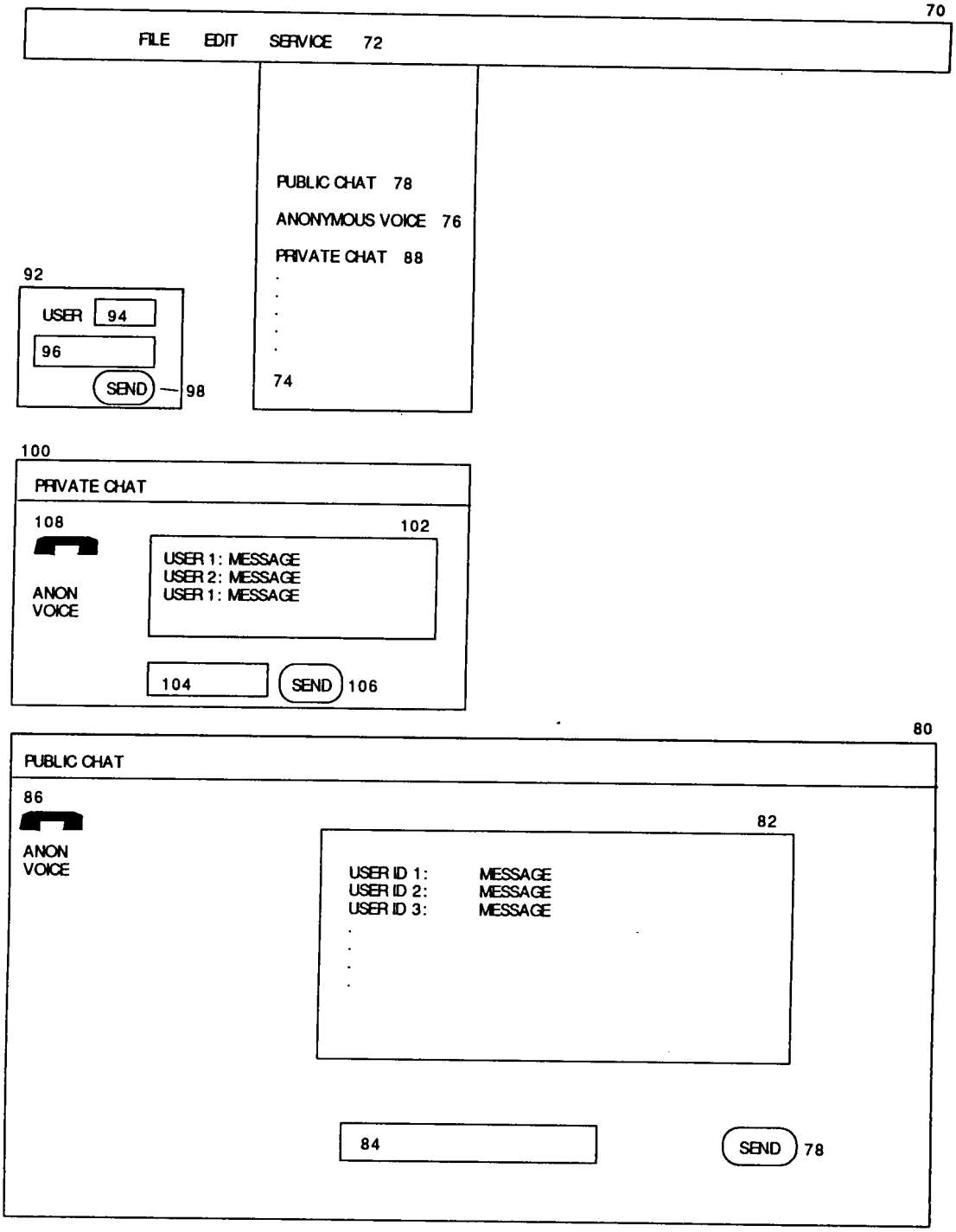


FIGURE 4


70
FILE EDIT SERVICE 72
PUBLIC CHAT 78
ANONYMOUS VOICE 76
PRIVATE CHAT 88
74
92
USER 94
96
SEND 98
100
PRIVATE CHAT
108
ANON VOICE
102
USER 1: MESSAGE
USER 2: MESSAGE
USER 1: MESSAGE
104
SEND 106
80
PUBLIC CHAT
86
ANON VOICE
82
USER ID 1: MESSAGE
USER ID 2: MESSAGE
USER ID 3: MESSAGE
84
SEND 78

08/512820

FIGURE 5

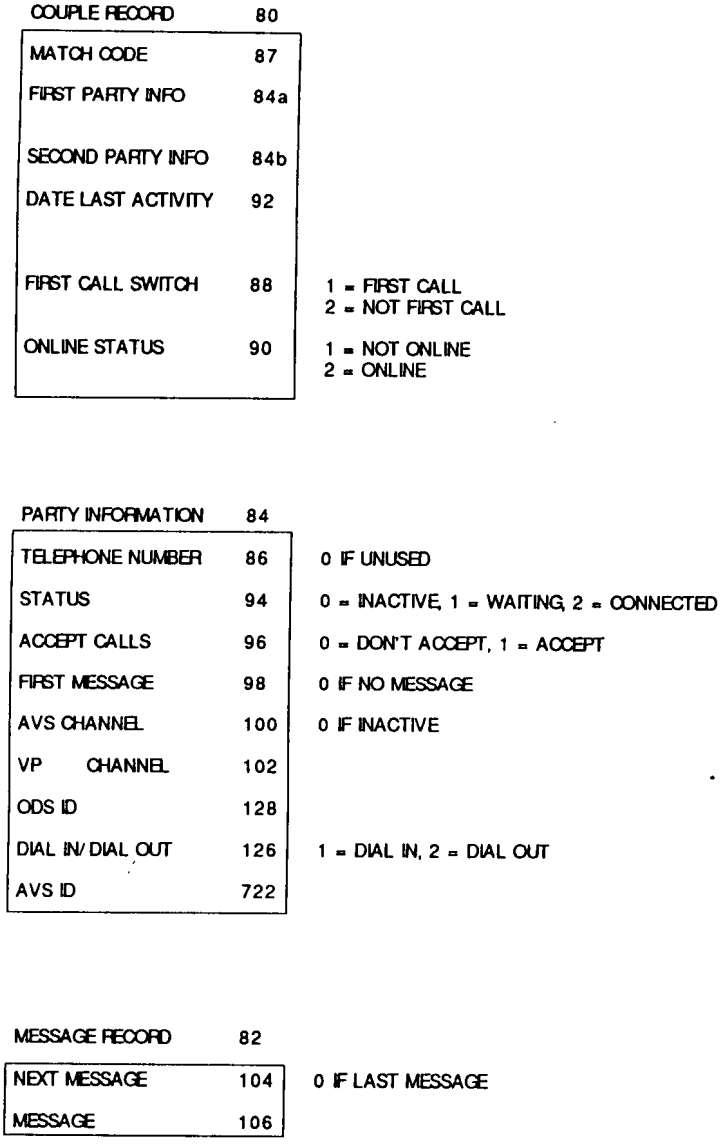


FIGURE 6

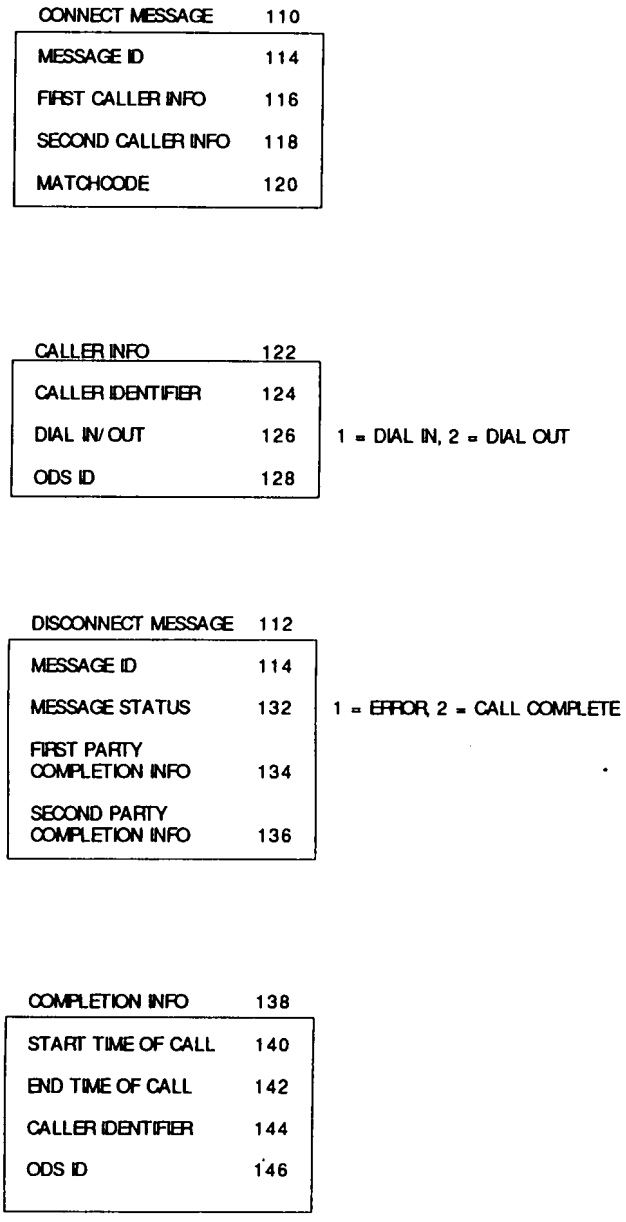

CONNECT MESSAGE 110
MESSAGE ID 114
FIRST CALLER INFO 116
SECOND CALLER INFO 118
MATCHCODE 120
CALLER INFO 122
CALLER IDENTIFIER 124
DIAL IN/OUT 126
1 = DIAL IN, 2 = DIAL OUT
ODS ID 128
DISCONNECT MESSAGE 112
MESSAGE ID 114
MESSAGE STATUS 132
1 = ERROR, 2 = CALL COMPLETE
FIRST PARTY COMPLETION INFO 134
SECOND PARTY COMPLETION INFO 136
COMPLETION INFO 138
START TIME OF CALL 140
END TIME OF CALL 142
CALLER IDENTIFIER 144
ODS ID 146

FIGURE 7A

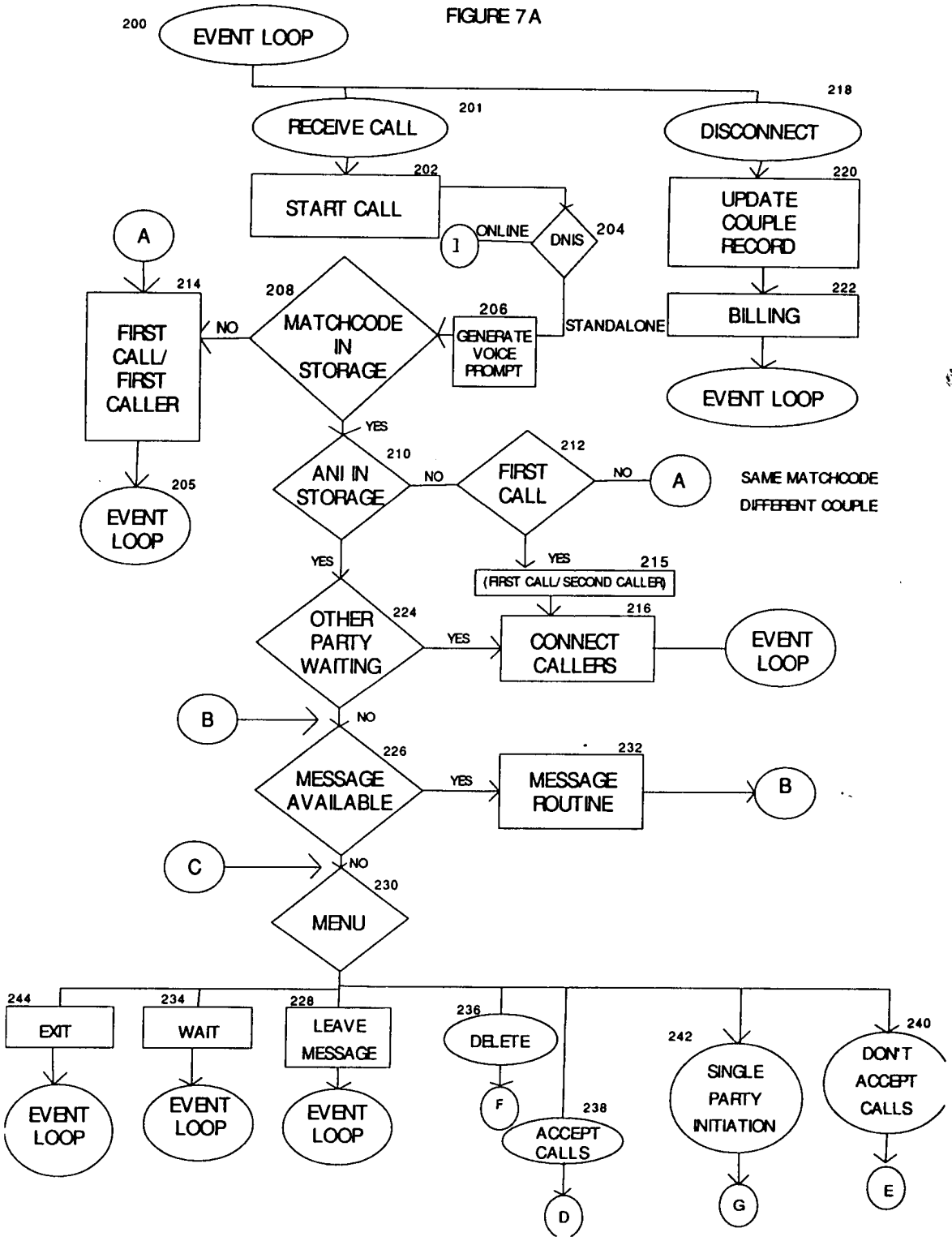

200
EVENT LOOP
RECEIVE CALL
201
DISCONNECT
218
START CALL
202
UPDATE COUPLE RECORD
220
A
1
ONLINE
DNIS
204
214
208
206
BILLING
222
FIRST CALL/ FIRST CALLER
NO
MATCHCODE IN STORAGE
GENERATE VOICE PROMPT
STANDALONE
EVENT LOOP
YES
205
EVENT LOOP
ANI IN STORAGE
210
NO
FIRST CALL
212
NO
A
SAME MATCHCODE DIFFERENT COUPLE
YES
YES
215
(FIRST CALL/ SECOND CALLER)
OTHER PARTY WAITING
224
YES
216
CONNECT CALLERS
EVENT LOOP
B
NO
226
MESSAGE AVAILABLE
YES
232
MESSAGE ROUTINE
B
C
NO
230
MENU
244
234
228
236
242
240
EXIT
WAIT
LEAVE MESSAGE
DELETE
SINGLE PARTY INITIATION
DON'T ACCEPT CALLS
EVENT LOOP
EVENT LOOP
EVENT LOOP
F
238
ACCEPT CALLS
G
E
D

FIGURE 7b

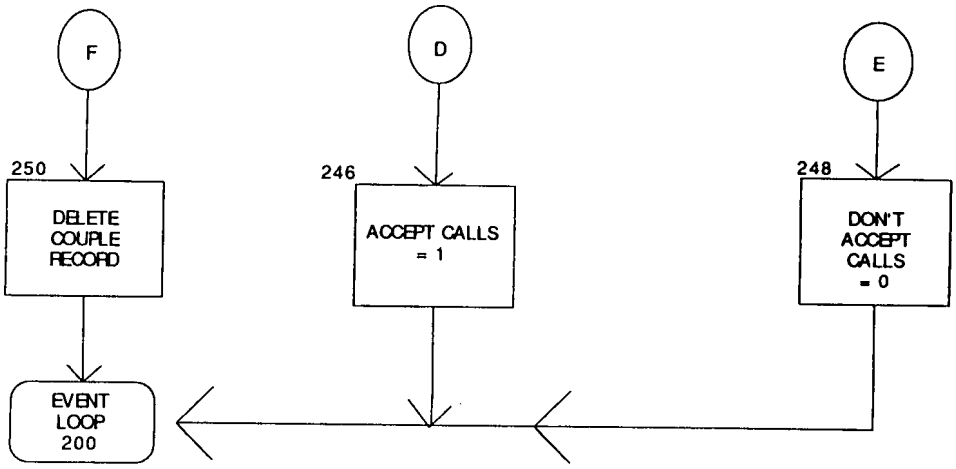

F
D
E
250
246
248
DELETE COUPLE RECORD
ACCEPT CALLS = 1
DON'T ACCEPT CALLS = 0
EVENT LOOP 200

FIGURE 7c

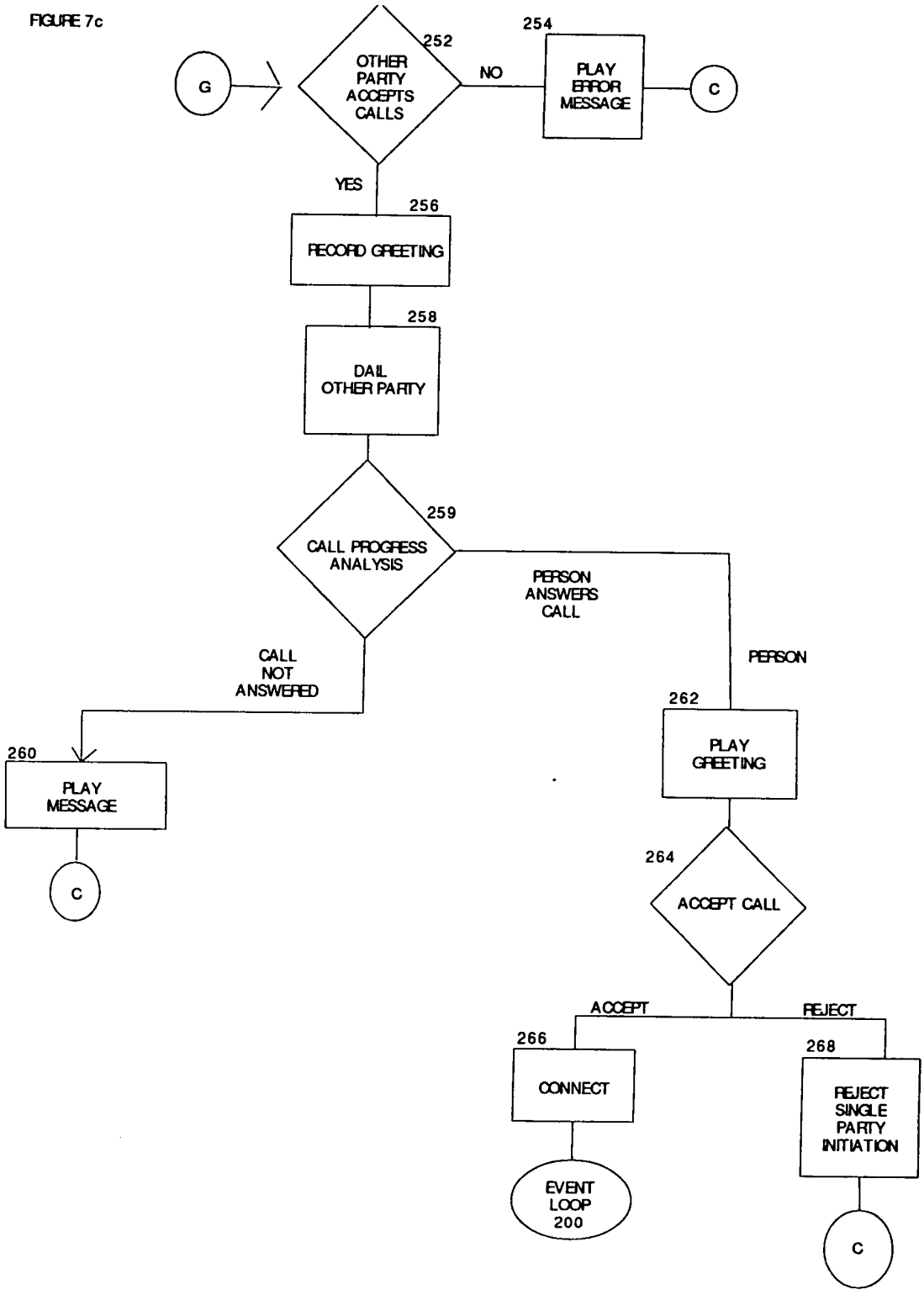

G
OTHER PARTY ACCEPTS CALLS
252
NO
254
PLAY ERROR MESSAGE
C
YES
256
RECORD GREETING
258
DAIL OTHER PARTY
259
CALL PROGRESS ANALYSIS
PERSON ANSWERS CALL
PERSON
CALL NOT ANSWERED
260
PLAY MESSAGE
C
262
PLAY GREETING
264
ACCEPT CALL
ACCEPT
REJECT
266
CONNECT
EVENT LOOP 200
268
REJECT SINGLE PARTY INITIATION
C

FIGURE 7D

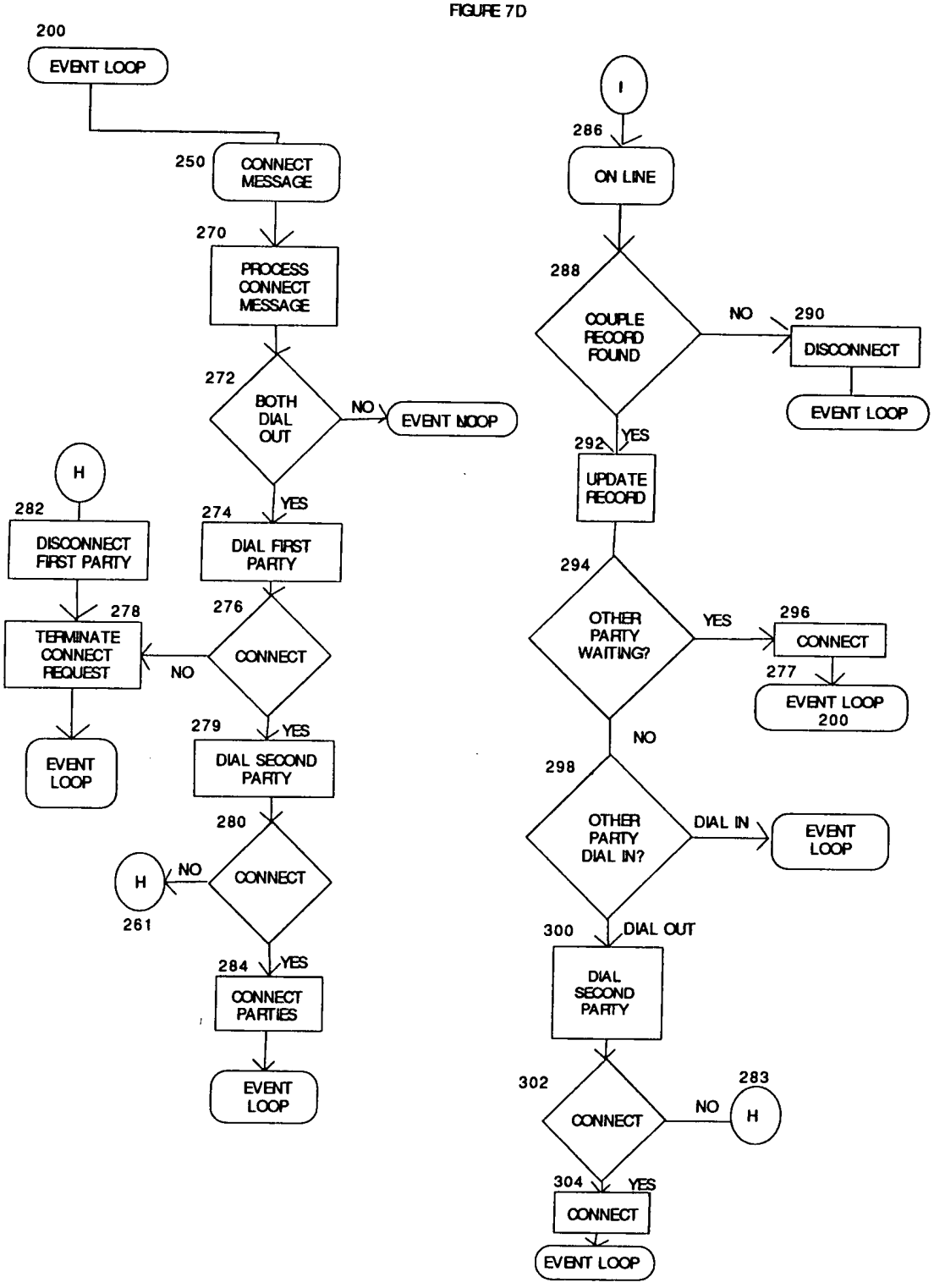
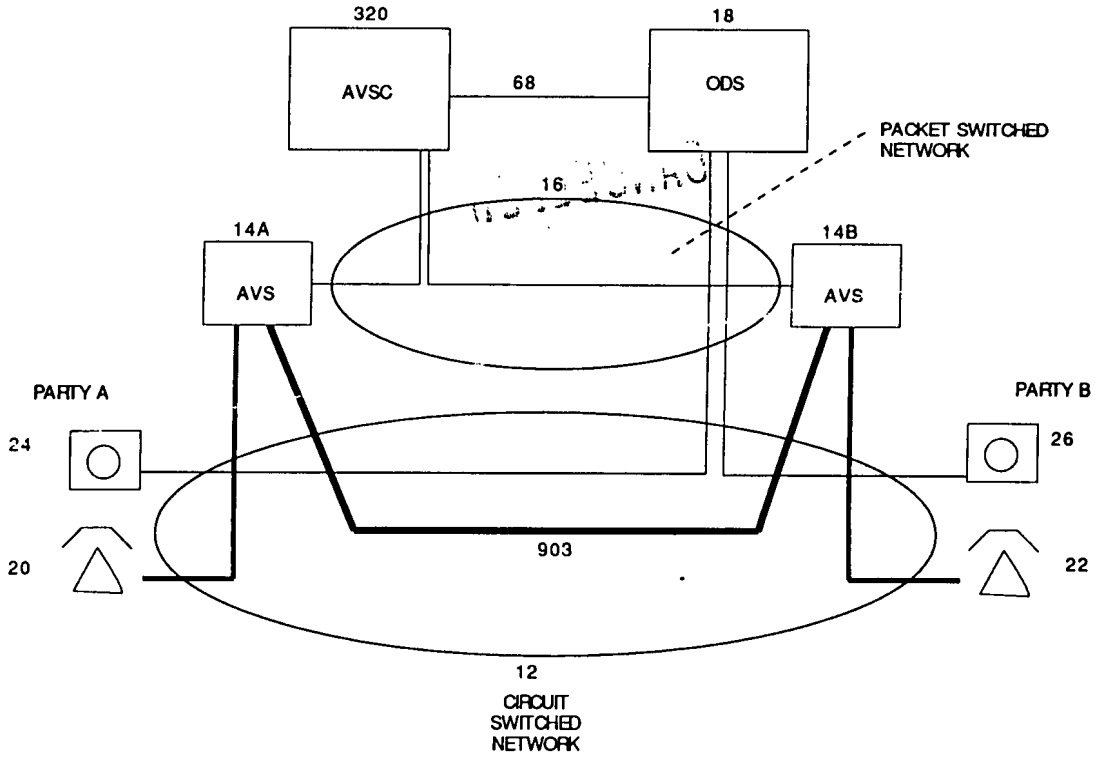

200
EVENT LOOP
250
CONNECT MESSAGE
270
PROCESS CONNECT MESSAGE
272
BOTH DIAL OUT
NO
EVENT LOOP
YES
274
DIAL FIRST PARTY
276
CONNECT
NO
278
TERMINATE CONNECT REQUEST
EVENT LOOP
YES
279
DIAL SECOND PARTY
280
CONNECT
NO
H
261
YES
284
CONNECT PARTIES
EVENT LOOP
H
282
DISCONNECT FIRST PARTY
I
286
ON LINE
288
COUPLE RECORD FOUND
NO
290
DISCONNECT
EVENT LOOP
YES
292
UPDATE RECORD
294
OTHER PARTY WAITING?
YES
296
CONNECT
277
EVENT LOOP 200
NO
298
OTHER PARTY DIAL IN?
DIAL IN
EVENT LOOP
DIAL OUT
300
DIAL SECOND PARTY
302
CONNECT
NO
283
H
YES
304
CONNECT
EVENT LOOP

FIGURE 8


320
AVSC
68
18
ODS
PACKET SWITCHED NETWORK
16
14A
AVS
14B
AVS
PARTY A
PARTY B
24
26
20
22
903
12
CIRCUIT SWITCHED NETWORK